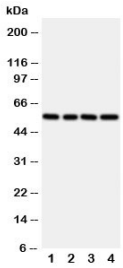
TXNRD2 Antibody (R31003)

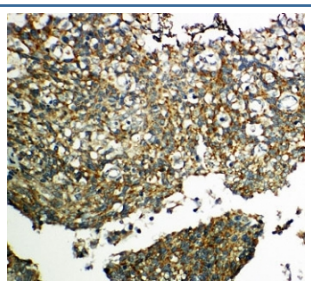
Catalog No.	Formulation	Size
R31003	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9NNW7
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This TXNRD2 antibody is available for research use only.



Western blot testing of TXNRD2 antibody and rat samples 1: kidney; 2: ovary; 3: liver; 4: human SMMC-7721 cell lysate



IHC-P: TXNRD2 antibody testing of human lung cancer tissue

Description

Thioredoxin reductase 2 is also known as TRXR2, TR3, SELZ, or TR-BETA. Thioredoxin reductases, are selenocysteine (sec)-containing flavoenzymes that maintain thioredoxins, small proteins that catalyze redox reactions, in the reduced state using the reducing power of NADPH. By STS analysis and genomic sequence analysis, respectively, Miranda-Vizuete et al.(1999) and Sun et al.(1999) mapped the TXNRD2 gene to chromosome 22q11.2. Miranda-Vizuete et al.(1999) mapped the mouse gene to chromosome 16. Gasdaska et al.(1999) showed that TXNRD2 was a thioredoxin reductase that could directly reduce proteins such as insulin.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TXNRD2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human TXNRD2 (RHGQEHVEVYHAHYKPL) was used as the immunogen for this TXNRD2 antibody.

Storage

After reconstitution, the TXNRD2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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